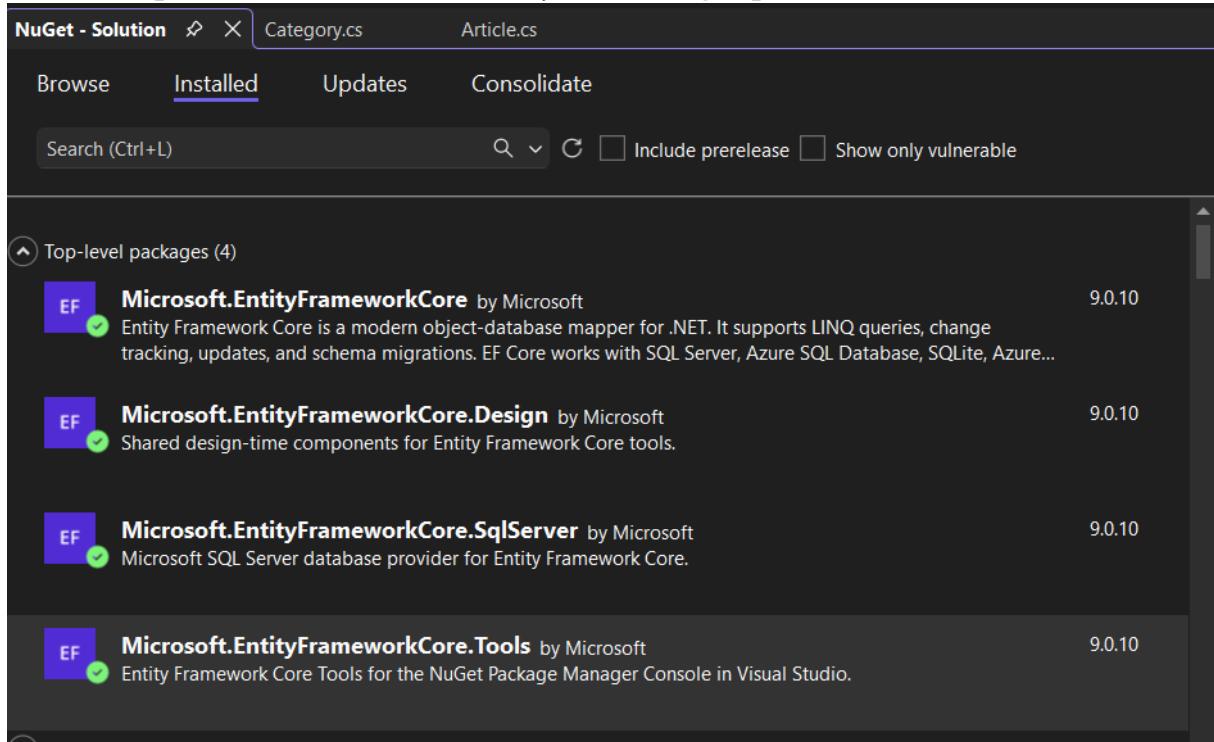


Laborator 5- DAW

Exercitiul 1.

Am creat proiectul nou Laborator5 și am adăugat pachetele necesare.



Exercițiul 2.

Am creat cele 2 modele de bază.

```

Category.cs Article.cs
Laborator5 Laborator5.Models.Category
  1  namespace Laborator5.Models
  2  {
  3      public class Category
  4      {
  5          public int CategoryId { get; set; }
  6          public string CategoryName { get; set; } = string.Empty;
  7      }
  8  }
  9
 10

Category.cs Article.cs
Laborator5 Laborator5.Models.Article
  1  namespace Laborator5.Models
  2  {
  3      public class Article
  4      {
  5          public int ArticleId { get; set; }
  6          public string Title { get; set; }
  7          public string Content { get; set; }
  8          public DateTime Date { get; set; }
  9      }
 10  }
 11

```

Exercițiul 3.

Am creat conexiunea cu baza de date folosind Dependency Injection.

```

AppDbContext.cs Category.cs Article.cs
Laborator5 Laborator5.Data.AppDbContext
  1  using Microsoft.EntityFrameworkCore;
  2  using Laborator5.Models;
  3  namespace Laborator5.Data
  4  {
  5      public class AppDbContext : DbContext
  6      {
  7          public AppDbContext(DbContextOptions<AppDbContext>
  8              options)
  9              : base(options)
 10          {
 11          }
 12
 13          public DbSet<Article> Articles { get; set; }
 14
 15          public DbSet<Category> Categories { get; set; }
 16      }
 17  }

```

Am realizat conexiunea cu baza de date în Program.cs, cât și în fiecare Controller.

///Program.cs

```
var connectionString =
builder.Configuration.GetConnectionString("DefaultConnection");
builder.Services.AddDbContext<AppDbContext>(options =>
options.UseSqlServer(connectionString));
```

```
namespace Laborator5.Controllers
{
    1 reference
    public class ArticlesController : Controller
    {
        private readonly AppDbContext db;

        0 references
        public ArticlesController(AppDbContext context)
        {
            db = context;
        }
    }
}
```

```
namespace Laborator5.Controllers
{

    public class CategoriesController : Controller
    {
        private readonly AppDbContext db;

        public CategoriesController(AppDbContext context)
        {
            db = context;
        }
    }
}
```

Am dat update și în appsetting.json.

```
appsettings.json ✘ X | Program.cs      AppDbContext.cs      Category.cs      Article.cs      ErrorViewModel.cs ✘ ↵ X ... E
Schema: https://www.schemastore.org/appsettings.json
1  @  [
2      "ConnectionStrings": {
3          "DefaultConnection": "Server=(localdb)\\mssqllocaldb;Database=aspnet-53bc9b9d-9d6a-45d4-8429-2a2761773502;Trusted_Connection=True;Multi"
4      },
5      "Logging": {
6          "LogLevel": {
7              "Default": "Information",
8              "Microsoft.AspNetCore": "Warning"
9          }
10     },
11     "AllowedHosts": "*"
12 }
```

Am adăugat noua bază de date.

SQL Server Object Explorer

SQL Server
 ↳ (localdb)\MSSQLLocalDB (SQL Server 17.0.925 - L)
 ↳ Databases
 ↳ System Databases
 ↳ ArticlesDB
 ↳ aspnet-53bc9b9d-9d6a-45d4-8429-2a2761
 ↳ Security
 ↳ Server Objects
 ↳ (localdb)\ProjectModels (SQL Server 17.0.925.4 - L)
Projects - Laborator5

Edit dependency
Provide connection configuration settings

Connection string name: ConnectionStrings\ArticlesDB
Connection string value: Server=(localdb)\mssqllocaldb;Database=aspnet-53bc9b9d-9d6a-45d4-8429-2a2761773502;Trusted_Connection=True;MultipleActiveResultSets=True

Search Solution Explorer (Ctrl+s)

Solution 'Laborator5' (1 of 1 project)
↳ Laborator5
 ↳ Connected Services
 ↳ Secrets.json (Local)
 ↳ SQL Server Express LocalDB (Local) (Connection)
 ↳ SQL Server Express LocalDB (Local) (Connection)
 ↳ Dependencies
 ↳ Properties
 ↳ wwwroot
 ↳ Controllers
 ↳ ArticlesController.cs
 ↳ CategoriesController.cs
 ↳ HomeController.cs
 ↳ Data
 ↳ AppDbContext.cs
 ↳ Migrations
 ↳ Models
 ↳ Article.cs
 ↳ Category.cs

SQL Connection String

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source: Microsoft SQL Server (SqlClient)
Server name: (localdb)\mssqllocaldb
Log on to the server
Authentication: Windows Authentication
User name: _____
Password: _____
Encrypt: Mandatory (True)
 Trust Server Certificate
 Save my password

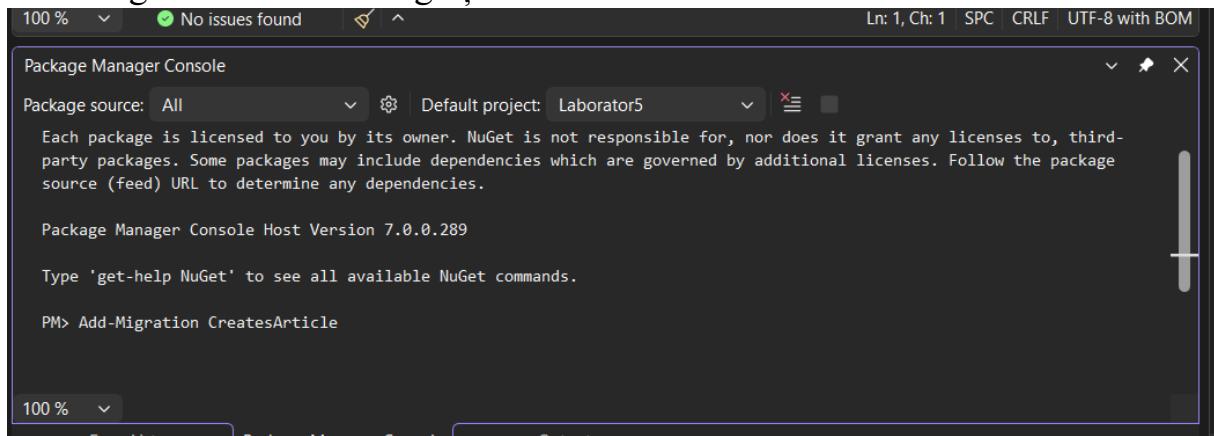
Connect to a database
Select or enter a database name: ArticlesDb
 Attach a database file:
Logical name: _____
Advanced...

Test Connection OK Cancel

După a făcut modificare și în fișierul .json.

Exercițiul 4.

Am integrat sistemul de migrații.



The screenshot shows the Package Manager Console window in Visual Studio. The console output shows:

```
100 % No issues found | ⚡ | ^ Ln: 1, Ch: 1 SPC CRLF UTF-8 with BOM
Package Manager Console
Package source: All | ⚡ | Default project: Laborator5 | X
Each package is licensed to you by its owner. NuGet is not responsible for, nor does it grant any licenses to, third-party packages. Some packages may include dependencies which are governed by additional licenses. Follow the package source (feed) URL to determine any dependencies.

Package Manager Console Host Version 7.0.0.289
Type 'get-help NuGet' to see all available NuGet commands.

PM> Add-Migration CreatesArticle
```

Am adaugat și migratia pentru categorii.

Apoi am executat comanda Update-Database.